INTERNATIONAL SEARCH REPORT

International Application No T/FR2004/003086

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F3/00 B25J13/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 G06F B25J Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, IBM-TDB, INSPEC C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category • Relevant to claim No. US 2002/158842 A1 (GOODWIN WILLIAM A ET 1,2,5-13 AL) 31 October 2002 (2002-10-31) paragraph '0007! paragraph '0031! paragraph '0077! - paragraph '0079!; figures 1,8 US 5 116 180 A (DILTS TIMOTHY A ET AL) Α 26 May 1992 (1992-05-26) 1-13 column 3, line 47 - column 4, line 10 column 4, line 31 - line 35 abstract; figures 1,2 US 4 160 508 A (FROSCH ET AL) Α 10 July 1979 (1979-07-10) 1-8, column 7, line 11 - line 28 13-15 column 8, line 38 - column 9, line 15; figures -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date "A" document defining the general state of the art which is not or priority date and not in conflict with the application but considered to be of particular relevance cited to understand the principle or theory underlying the "E" earlier document but published on or after the international invention filing date "X" document of particular relevance; the claimed invention *L* document which may throw doubts on priority claim(s) or cannot be considered novel or cannot be considered to which is cited to establish the publication date of another involve an inventive step when the document is taken alone citation or other special reason (as specified) *Y* document of particular relevance; the claimed invention *O" document referring to an oral disclosure, use, exhibition or cannot be considered to involve an inventive step when the document is combined with one or more other such docuother means ments, such combination being obvious to a person skilled document published prior to the international filing date but later than the priority date claimed in the art. *&* document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 21 April 2005 27/04/2005 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016 Durand, J REST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No

T/FR2004/003086

REST AVAILABLE COPY

	INTERNATIONAL SEARCH REFORM	T/FR2004/003086		
C.(Continua	tion) DOCUMENTS CONSIDERED TO BE RELEVANT			
Category "	Citation of document, with indication, where appropriate, of the relevant passages	R	elevant to claim No.	
A	US 5 625 576 A (MASSIE THOMAS H ET AL) 29 April 1997 (1997-04-29) column 16, line 20 - line 33 column 17, line 20 - line 33 column 27, line 42 - line 60; figures 1,2,6-8		1,2,5-13	
A	US 2002/102155 A1 (RUSH JOHN M ET AL) 1 August 2002 (2002-08-01) paragraph '0047! - paragraph '0050!; figure 1		1,2,7	
A	US 3 637 092 A (GEORGE RAYMOND L ET AL) 25 January 1972 (1972-01-25) figure 2		3,4	
		,		

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No T/FR2004/003086

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
US	2002158842	A1	31-10-2002	US	6417638 B1	09-07-2002
US	5116180	 А	26-05-1992	 АТ	91943 T	15-08-1993
				CA	1333415 C	06-12-1994
				DE	68907815 D1	02-09-1993
				DE	68907815 T2	09-12-1993
				EP	0353841 A2	07-02-1990
US	4160508	A	10-07-1979	NONE		
US	5625576	A	29-04-1997	CA	2172825 A1	13-04-1995
			•	DE	69430751 D1	11-07-2002
	•			DE	69430751 T2	06-03-2003
				EP	0721615 A1	17-07-1996
				JP	9503603 T	08-04-1997
				JP	10505863 T	09-06-1998
				US	2003034994 A1	20-02-2003
				WO	9510080 A1	13-04-199
				US	6405158 B1	11-06-2002
				US	5587937 A	24-12-1990
			ے سے سے میں جب جب بہت سے میں سے میں میں میں ہمان ہے ہے ہ	US	5898599 A	27-04-199
US	2002102155	A1	01-08-2002	NONE		
US	3637092	A	25-01-1972	JP	54037382 B	14-11-1979
-						-